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that constitutes the bottom electrode. Because platinum is used for the bottom electrode in this embodiment, the adhesive layer is an alloy of platinum and the above-mentioned anti-diffusion metal. However, a small amount of the adhesive metal formed at the outset, such as titanium or chromium, remains at the location of this adhesive layer. Specifically, this adhesive layer 41 is not a layer whose composition stays constant from when it is first formed, and is instead a layer produced as a result of the movement of elements occurring in the course of the heat treatment step. The thickness of the adhesive layer 41 is equal to the combined thickness of the adhesive metal layer applied prior to the heat treatment, the first anti-diffusion metal layer, and the metal that constitutes the bottom electrode.

In the Claims:

Please cancel claims 40-46 without prejudice to or disclaimer of the subject matter recited therein.

Please substitute the following claim 28 for the pending claim 28:

28. An electromechanical transducer comprising:
a ferroelectric thin film sandwiched between a top electrode and a bottom electrode;
an adhesive layer formed from an alloy containing an anti-diffusion metal, said adhesive layer being formed between said bottom electrode and a surface where said transducer is installed; and

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